



MONTHLY MEETING

Friday February 17, 2017

Our Saviors Lutheran Church

1035 Carol Lane, Lafayette

DX Interest Group Meeting

With Dave Piersall, N6ORB 6pm

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Jerry Lawson, WA6LVN (1940-2011)
Video Gaming System Pioneer

THIS MONTH'S PROGRAM

Programming and Operating DMR Equipment

by Tim Barrett, K6BIV

Join us Friday night February 17, 2017 for a presentation from Tim, K6BIV. He'll show us how to program and operate digital mobile radio (DMR) transceivers and equipment.

— *Larry Bradley, KK6QPE*



2017 Renewal Reminder

It's that time of the year again to renew your club membership in. About half of our members already have. You should have received two e-mail notices and a letter by now. Please take a moment to renew. You can pay your dues at the January meeting, mail in a check or use your e-mail to pay via PayPal. Thank you to those that have already paid. Membership cards will be available at the January meeting for those that requested new cards.

Tom Deeble, KA6SIP, Membership Chairman



When you purchase at Amazon dot com smile, a portion of your purchase is donated to our club.

Go to:
<https://smile.amazon.com/ch/23-7072059>

ALL MEMBERS ARE INVITED TO JOIN THE CLUB YAHOO GROUP.
DOWNLOAD FILES, INCLUDING *THE CARRIER* IN **FULL COLOR** AS WELL AS SHARE INFORMATION WITH THE MEMBERSHIP AT:

<http://groups.yahoo.com/group/mdarc>

Mount Diablo Amateur Radio Club W6CX
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The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Mike Patterson, N6JGA
Vice President - Larry Bradley KK6QPE
Secretary - Dick Fletcher, AF9RF
Treasurer - Cathi Walton, K2CJW
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Janice Fujii, KG6VTD John Primus, AF6RJ

Emergency Coordinator - Ron Bunch, W4FEK

PACIFICON 2017

Chair: Misa Siemons, KJ6BUE
Registration: Tom Deeble, KA6SIP & Debbie Deeble
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Field Day Chair - Larry Loomer, KI6LNB
Refreshments: Elizabeth Styles, KG6HLV
Holiday Party - Misa Siemons, KJ6BUE
Trailer - Patrick Miller, KK6DBX
Vehicle - Lauren Styles, WA6CIE

***The Carrier* Newsletter**

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PRESIDENT'S MESSAGE



MDARC Family,

It seems the rain gods are trying to end a decade of drought in just a few months. And they're not done yet. But they can't slow down your Club. All the committees are off to a roaring start for the year. They're all busy and they need your help.

First up, of course, is our next meeting. About a year and a half ago, our own Tim Barrett, K6BIV, was here to show us what DMR (Digital Mobile Radio) is all about; how it works,

etc. This month, Tim returns to get down to the brass tacks of how you actually program and use a DMR radio. It may seem complicated at first, but it makes sense once you get the hang of it. Tim is a great speaker and really knows his DMR. So come on down and get on the DMR air.

The annual Auction is in April again this year. So start cleaning out your shack and pulling together things you want to sell; and thinking about things you want to buy. I'm told we'll have some very nice donations coming as well, but I don't have details yet. It will be on our regular meeting night, April 21st, but will start earlier than our usual meeting time. See <http://www.mdarc.org/activities/auction> for details.

Our first Public Service event of the year is also usually about the same time at the Auction. We don't have all the details yet, but should before long. So check our Public Service web page at <http://www.mdarc.org/activities/public-service> every couple of weeks or so and be ready to plan your calendar.

Our Education and Training Committee has begun its first Technician level course for the year, and they're taking registrations for the General Class course which starts March 23rd. If you or someone you know is interested in upgrading, get them signed up. In addition, we'll finally have an on-line registration capability within the week or so, making registrations much easier. See <http://www.mdarc.org/activities/education/Classes> for information on the Classes.

Field Day will be here in June. This year it's the weekend of June 24-25. Not too soon to begin planning. In fact, the Field Day Committee will be meeting each 2nd Thursday of the month until then to plan this annual extra-special event. They'll be at the Salvation Army Church, 3950 Clayton Road (at West St.) in Concord. If you'd like to help with Field Day, or just think you might but aren't sure, please join them.

Pacificon 2017 was in planning pretty much as soon as Pacificon 2016 ended. The committee is picking up steam with the new year now. We're aiming to start taking registrations in the next couple of months. The web site is taking shape. Some vendors have already asked about coming back and we're getting speakers lined up. Last year's conference is going to be hard to beat, but they just might do it this year. Tell your family you'll be gone Oct. 20-22; or better yet, bring them with you. It's going to be a wonderful show.

The Vehicle Committee is into the planning stage of preparing our van for upgrades and deciding what equipment will be installed in it and where. The goal is to have it operational for Field Day; and hopefully well before that. They meet before the club meeting on the third Friday of each month at 6:30 PM. Getting the van fixed up and the trailer remodeled is going to take a lot of work, so grab your tools and join them

We have an outstanding Club, doing a lot of things for the benefit of our members, the Ham community at large and the public. But we have ideas to do even more. All we need are people to help do them. Also, consider that many of our veteran members have been participating in the Club activities for a long time. Someday, all of them will be retiring from their current positions and we'll need people to replace them. So please help us by volunteering for the Club. No experience necessary; we'll provide that. Our Club and all the activities we do can't exist unless you volunteer.

73 until next time,

Mike Patterson, N6JGA
President

WELCOME **NEW MEMBERS**

Ruben Arce, KM6HXT

P. Michael Nicholson, K6CUG

David Zachry, KM6GVP



SIX METER MAYHEM ON BENJAMIN CAY

By Matthew G. Vurek, N4DLA © 2017 by the author all rights reserved

The Benjamin Cay 6 Meter Bunch was having their usual evening gabfest on 52.525 MHz FM simplex. The band wasn't open so it was just them and their ground wave signals propagating around the serene flat island on the river delta.

"Hey, did ya see that ad in the latest *Radio Universe* magazine about those new 6 meter FM handhelds? They are hella cheap," said Jon, WG4CZX, he said as he lit a cigarette and sat back in his deck chair aboard his docked cabin cruiser.

"Sure did," replied Jethro, WF4JPG. He pulled out his new magazine and turned to the colorful, full page advertisement. "Putenwerks is the brand name. The rigs are made at a former Soviet military radio factory in Moldavia. No one else makes a handheld for 6 meters. We're stuck trying to convert commercial stuff...if you can find any to convert. And it works on digital, too!"

"The accessory prices aren't a ripoff like the other manufacturers are, either," said Tyrone, WJ4KYJ. "I think we should put in a group order in for those handhelds with the charger and speaker mic." All agreed and within two weeks, their new Putenwerks handheld radios arrived on Benjamin Cay.

The trio of avid 6 meter operators eagerly put their new handhelds on the air. Despite their short antennas, the new rigs easily keyed up the island's 6 meter repeater and they didn't require a computer to program them.

"I'm going to try the digital mode on this critter," Jethro announced as he stood on the back of his boat. He flipped the mode switch on the side of the radio. The radio speaker made a crackling noise but Jethro thought it was just some QRM in the receiver. Then handheld began to warm up rapidly. He wondered why since he wasn't transmitting...and then he saw smoke.

"Owww!" Jethro screamed in pain as fire flickered from the speaker grill. He threw the flaming radio as hard as he could towards the waterway. The hot handheld exploded in a brilliant display that would have made a fireworks maker jealous. The flying debris fortunately landed in the calm green water.

"Day-yam," Jethro mumbled, as he watched the remains of his new radio sink towards Davey Jones' locker. How would he explain its demise to the radio insurance company?

"WF4JPG from WG4CZX, what happened? It looks like someone shot off a flaregun near your dock," said Jon.

"WG4CZX from WF4JPG," said Jethro, grabbing the mic on the mobile radio in his boat, "That wasn't no flaregun, that was my flocking radio! It went Krakatoa on me! I put it on digital mode and right then it caught fire and exploded. I had to throw it in the drink or it would have blown me up!"

"For real?" Jon replied. "I thought only Korean cell phones and e-cigarettes blew up on people these days. Look, I gotta pick up my dog's vitamins at her vet's on the mainland but when I get back, I'll stop by with my handheld and we'll try to figure out what happened." Jon signed off and walked out of his boathouse over the levee to his car.

As he returned to the island, Jon keyed the mic on his new handheld and called WJ4KYJ as he drove towards the lowered Benjamin Cay drawbridge. Without warning, the bridge suddenly began lifting, taking a sheriff's patrol cruiser with it. The astonished deputy slammed on the SUV's brakes and squealed to a halt just a few feet from the edge of the lifting metal roadway.

"Holy ship!" Jon exclaimed, "the drawbridge just began lifting on its own just before I drove on to it!" Jon unkeyed the handheld's mic and bridge abruptly stopped with a thunderous rumble.

“Maaaaan, I knew something like that would happen after the state canned all the bridge tender jobs and made them all remote controlled from an off-site contractor in the state capital,” sighed Tyrone. “Did the warning lights flash?”

“No they didn’t,” replied Jon, “I’ve been out here over 30 years and the bridge either works or it doesn’t. This time, it is like it is possessed or something.” The bridge began moving upwards again as he talked. After Jon unkeyed the mic, the bridge rumbled to a stop again. What the flock? Jon thought, my handheld is QRM’ing the bridge’s lift system!

Jon took a deep drag on his cigarette and realized he needed to think quickly, preferably in Moldavian, despite the honking hoard of vehicles behind him. He toggled through the menu system until he found the “reverse” repeater mode and activated it. Then he keyed his handheld radio again.

“WG4CZX testing, testing, testing,” he said slowly as he blew out a thick cloud of cigarette smoke. Jon watched the drawbridge slowly begin to lower, taking with it the deputy sheriff who was standing outside next to his airborne cruiser. Jon kept the handheld keyed until the bridge landed back in place with a loud “clank.” He then turned the radio off. The deputy jumped back in his cruiser and quickly drove off the bridge, followed by Jon and the rest of the backed up traffic.

“WG4CZX from WJ4KYJ...bro’, where did you go?” asked Tyrone. “I heard a patrol deputy on my scanner just now hollerin’ about being stuck on the lift span of the drawbridge...while it was being raised and lowered!”

“WJ4KYJ from WG4CZX, dude, these new handhelds are flocked up!” exclaimed Jon. “I am using my mobile rig now. Something just ain’t right. Jethro said his rig exploded a few minutes ago when he tried the digital mode. Then, I key up mine at the drawbridge and suddenly I became the great levitator!”

“So you raised up the bridge with the cop on it?” replied Tyrone, laughing. “Sorry, bro’, but I think that’s hilarious. On the contrary, though, Jethro’s rig blowin’ up is hella wrong. Hey, I gotta go mobile myself over to the fishing docks and pick up my dinner order. I’ll call you when I get back to my boat.” Tyrone signed off and then walked to his car and drove off towards the opposite end of the island.

After picking up his freshly-caught fish, Tyrone was driving back to his dock when a car blasting Beethoven music pulled up along side him at a stop sign. Young fools causing more noise pollution, Tyrone thought, shaking his head. Suddenly one of the car’s doors opened and large masked man jumped out.

“This is a jack move! Break yourself motherfeather!” he screamed as he jammed a handgun in Tyrone’s face. “Gimme your cell phone, punk!”

If that really *was* a cell phone the robber saw, Tyrone would have probably floored his much faster car’s accelerator and escaped the “Beethoven Bandits” via the spaghetti bowl of narrow roads on the island. Instead, the terrified ham operator grabbed the Putenwerks handheld from his car seat, turned it to the digital mode and quickly handed it to the robber.

“Here, take it, it’s a b-brand new model!” Tyrone stuttered as the robber snatched the radio from his sweaty hand and then got back inside the adjacent car. It sped off down the street but just seconds later, Tyrone saw a bright flash from inside the car and then heavy smoke poured out its open windows. The car swerved erratically before it crashed into a fire hydrant. A geyser of water quickly erupted, which lifted the car’s front into the air as one of its displaced hubcaps spun wildly on the street. Three men emerged from the car and two of them began punching the third. He didn’t stick around to see what happened next and instead continued his drive towards his dock. He used his 6 meter mobile radio to dial up the sheriff’s office using the repeater’s autopatch to report the crashed car but didn’t mention the robbery.

All three hams eventually met that evening aboard Jon’s boat. The score was Putenwerks 1, Jethro 0, Putenwerks 1, drawbridge 0 and Putenwerks 3, bandits 0. They drowned their collective sorrow over their lost radios with the contents of numerous forty ounce bottles of “Moon Face” beer produced by the island’s new microbrewery that had recently opened in the former Claverhouse Fish Cannery.

“Well,” said Jon, “Looks like I am the only one left with a Putenwerks handheld. The price was so low that they don’t offer refunds and it will cost more to ship it back to Moldavia than I paid for it. What should we do?”

After a short discussion, the three shaken hams decided to box the radio up and sell it online along with the surviving accessories.

“Next time, we buy American or from an American dealer,” sighed Tyrone. “We can’t take no more drama like this.”

“Agreed,” said Jon and Jethro in unison, as they clinked their beer bottles together while glaring at the slick magazine advertisement that had originally enticed them. If it is too good to be true, they thought, then it probably is.

Well, it was a lively night Saturday night Feb. 4th, 2017 investigating the historical and legacy band of 630 meters during the “Second Annual Midwinter 630 Meter Activity Night.”

Bart Lee, K6VK, Walnut Creek, copied:

| | | | | | |
|-----------|-----|---------------|--------|-----|---------|
| WD2SXH/20 | 5x9 | Eugene Oregon | WH2XXP | 3x6 | Arizona |
| CF7MM | 2x2 | BC, CN | VE7BDQ | 2x2 | BC |
| CG7CNF | 2x2 | BC | VE7SL | 2x2 | BC |

I did not copy my friend Joe Craig, VO1NA in Newfoundland (but I will send him tomorrow a copy of the CHRS Journal with our VLF/LF/MF adventures).

I could copy with some difficulty every west coast station on the band. A few nights ago I copied Ontario low power beacon YHD on MF @ 413 KHz. The Montana low power beacons at 515 (SAK) and 525 KHz (INE) come in well every night.

There were several WSPR stations I could see but no CW ID (that I could see at any rate) except WH2XXP.

Some antenna experimentation showed that the best (and quietest) signal-in as measured on the SDR came from paralleling the 43 foot vertical with the nearby 33 foot (+ 6 ' mount) Hustler 6BVT (both just E-field probes at these frequencies). The Very Kinky Loop of copper pipe, 8.5 square meter capture area, area did well. But when it rains it picks up electrostatic discharge from the rain drops -- who knew? And it is highly directional (which was OK last night as most stations were to the North). The Very Large Loop seems to be beyond its resonance at these frequencies and was pretty deaf. Next I'll try loops and the verticals in parallel; that ought to be interesting both as to signal strength and directionality.

So, all in all, my conclusion is that for everything from ELF to MF, the best antenna is wires as high up as possible, as many as possible, paralleled. What has surprised me is the relative immunity from local noise of the vertical wires. There were atmospheric "static" crashes in on all antennas; I understand the frustration of the old wireless men with static!

I tried the Staples W6BM impedance improver (the ZII) but it introduced noise. I think that inasmuch as I have it in a partially unshielded box, it picks up local noise that way.

It was helpful to turn off everything and run from one heavy duty linear power supply (and the laptop battery). I'm setting up long term battery power for the SDR and laptop.

I ran the Icom 7000 parallel to the SDR. It imposed weird spurious signals on the SDR. On the other hand, it seems equally sensitive and selective. The SDR has no WSPR mode and I can't see any easy way to get one, so for WSPR, the Icom 7000 will work fine but I need to get a good external card. Any suggestions?

For hard to copy Morse CW I tried the old HAL Telereader. No Joy unless the signal was loud and clear. It did help with WD2SXH/20 and gave me a clue about "Eugene." It does work really well with KPH / KSM on MF, but that's ground wave.

So, can K6VK (and maybe CHRS -- W6F) get on the air on 630 meters? Maybe, at K6VK with both vertical antennas and a lot of inductance and maybe a capacity hat on the 6BVT.

At CHRS Radio Central we can get a Marine Heritage license for MF like KPH (the callsign KRE is free!), and also an experimental license like WH2XXP and WH2XVN (David Curry). I'm really interested in 137 KHz. WSPR-15 is designed for that frequency. Maybe we can put up a 200 foot vertical on the old broadcast station ground insulator we salvaged from KRE -- we already have the antenna top lights required!

So that's the News from Lake Woebegone, where Grown Men Listen to the Radio!

73 de Bart, K6VK e: KV6LEE@gmail.com

MDARC Board of Directors February 6. 2-17 Meeting Minutes

Presided over by: President, Mike Patterson, N6JGA

Recorded by: Richard Fletcher, AF9RF, Secretary

The meeting was held at the Black Bear Diner 700 Bancroft Rd. Walnut Creek, Ca.

And was opened at 7:00 PM with introductions. There were 11 attendees.

Terry Buxton, KK6KGX, Trevor Hall, WA6JAU, John Primus, AF6RJ, Larry Bradley, KK6QPE, Cathi Walton, K2CJW, Tom Deeble, KA6SIP, Ron Bunch, W4FEK, Larry Loomer, KI6LNB, Janice Fuji, KG6VTD

The Vice President, Larry Bradley, reported that the evening program at the upcoming meeting, 2-17, will be Tim Barrett, K6BIV with an introduction to DMR and the application of how to set it up.

The March program will be "Hospital Communications" presented by Duane Marrioti, WB9RER and Melanie Marrioti, KC7VFT.

April's activity will be the club's yearly auction.

Treasurer Cathi reported on the current status and changes in the 2017 budget. The total account balances now total \$107,969.33.

Tom Deeble and other members discussed the format of the proposed new member application form. President Mike and Tom will meet to finalize this form.

John Primus, AF6RJ reported on the Technician class in progress and the General class starting March 23 and comprised of 8 sessions.

The creation of an MDARC Club Store was discussed and resulted in the plan to have a firm plan for the March meeting.

Tech Committee Chair, Jim, AF6PU reported on work performed on the UPS at south peak and a full day of work by committee members at the north peak recently. He described numerous small jobs on both peaks.

The group discussed having a manager to oversee and coordinate net operations.

Respectfully submitted by Richard Fletcher, AF9RF. Secretary

MDARC January 20, 2017 General Meeting Minutes

Presided over by: President Mike Patterson, N6JGA

Recorded by: Richard W Fletcher, Secretary

Meeting location: Our Saviors Lutheran Church 1035 Carol Lane Lafayette, Ca.

Meeting was called to order at 7:30PM PST.

A pledge of allegiance was performed at this time.

The minutes of the previous meeting was approved by the membership.

VP Larry Bradley, KK6QPE stated that the programs for February is set and the program for March is titled "Lessons learned about setting up Radio Nets. He said that the activity for April is "Auction Night".

Treasurer Cathi gave a monthly report and took comments and questions from the members, one of which was "Why do we self insure rather than use a commercial company?" President Mike helped by responding that those funds only leave our treasury in the event of an incident requiring expenditures. Otherwise they reside in our account and draw interest. Cathi then concluded by reporting a balance of \$108,381.91.

K1LED spoke on the preparations for the up coming April auction.

The subject of digital media use was discussed. Current activities use forms, computer data bases and our website, etc.

AF6RJ briefed all on the progress of current classes saying that the 2017 Technician class license course status is 2 classes of seven completed.

Ron Bunch spoke on Pacificon, the upcoming springtime weather and storms as well as ICS system.

Larry Loomer spoke about Field Day in general and the needing of Band Captains specifically.

Membership renewals were reported as 2/3 of the 2016 membership.

Jim Siemons spoke emphasizing early participation in the preparation for PACIFICON. It's needed now.

The Outreach Committee spoke up about needing to use a handout to effectively get information out and around.

The recent repeater outage was covered in detail.

The donated van that we recently acquired was reported to have had the tires changed and the battery was replaced. It was also said need to have a complete overall inspection.

The evening's testing effort had produced 4 technician, 1 general and 4 extra class licenses.

The meeting concluded at 8:27 PM PST and was followed by the evening program, "Construction and Use of Antennae"

Respectfully submitted by Richard Fletcher, AF9RF

Ham Radio Course Forming Now!

Mt. Diablo Amateur Radio Club and SATERN

are holding an 8 week course where you can
upgrade your Amateur Radio Technician License to
General License Classification

The General Class license is your gateway to all the world-wide Amateur bands of excitement and Emergency Communications on Ham Radio...and you do NOT need to learn Morse code!

This course is to upgrade your current
Technician License (the next Tech class starts August 17th)
You can also register for the August Tech class now.

Course begins on...

Thursday March 23rd 2017

At 7-9 pm

First Class starts at 6:30

The Salvation Army

3950 Clayton Road, Concord 94521



Registration is required.

Class is FREE but there is a \$5 materials fee and Textbook if needed is about \$28. *Each student must have full access to a copy of the ARRL text.*

Follow up training & license testing for all 3 license levels will be available.

Registration form - email: HamRadioClass@gmail.com

ARRL The national association for
AMATEUR RADIO

The first 2017 Technician License Class Starts January 12th, 2017 at 6:30 pm. Please bookmark the link below for the years training schedule.

<http://www.mdarc.org/activities/education/Classes-2016>

Class sessions normally begin at 7:00 pm sharp and end by 9:00 pm. The first class session of each License Class begins 1/2 hour earlier 6:30 pm to provide for registration, manual & materials distribution and other administrative necessities. *Please share with your friends interested in earning their Technician Licence or upgrading to General. For More details and Registration email: HamRadioClass@gmail.com* The Extra License classes are scheduled during even years with the next Extra Class starting in August 2018. Class Location is the Salvation Army Concord Corps, Fireside Room, 3950 Clayton Rd., Concord CA 94521 (Cross of West Street)

| | |
|---|--|
| Technician License Class (1st License) | Jan. 12 - Feb. 23, 2017 (7 sessions) |
| License Testing | March 2, 2017 |
| Get On The Air (GOTA) | March 9, 2017 |
| <i>Amateur Radio Communications Explained</i> | |
| Get On The Air (GOTA) | March 16, 2017 |
| <i>Amateur Radio Communications Practiced</i> | |
| General License Class (Upgrade) | Mar. 30 - May 18, 2017 (8 sessions) |
| License Testing | May 25, 2017 |
| Get On The Air (GOTA) | June 1, 2017 |
| <i>HF Communications</i> | |
| Auxiliary or EmComm Training (<i>Topic TBA</i>) | June 8, 2017 |
| Auxiliary or EmComm Training (<i>Topic TBA</i>) | June 15, 2017 |
| Auxiliary or EmComm Training (<i>Topic TBA</i>) | June 22, 2017 |
| Salvation Army Church Camp Break (No Classes) | June 29 – July 27 2017 |
| Technician License Class (1st License) | Aug. 4 - Sept. 28, 2017 (7 sessions) |
| License Testing | Oct 5, 2017 |
| Get On The Air (GOTA) | Oct. 12, 2017 |
| <i>Amateur Radio Communications Explained</i> | |
| Get On The Air (GOTA) | Oct. 19, 2017 |
| <i>Amateur Radio Communications Practiced</i> | |
| Auxiliary or EmComm Training (<i>Topic TBA</i>) | Oct. 26, 2017 |
| Auxiliary or EmComm Training (<i>Topic TBA</i>) | Nov. 2, 2017 |
| Annual Instructor Team Meeting | Nov. 9, 2017 |

You must register so email: HamRadioClass@gmail.com so we can have the correct number of books to start the class and send you the weekly study assignments.



Saturday, March 4th, 2017 - Benicia, CA



AMATEUR RADIO LICENSE CLASS

Study Session followed by Exam

When: Saturday, March 4th, 2017

7:30 AM - 5:00 PM

Where: Benicia Senior Center
187 East L Street, Benicia

What: Technician Class (beginner's level)
General Class Upgrade (for those already licensed as a Tech)

Fee: \$30.00 cash at the door
(Includes exam fee)

Register: www.BeniciaARC.com

Questions: HamRadioClass@BeniciaARC.com or Art at (707) 746-5858

Conducted by:

Benicia Amateur Radio Club (BARC)

Member W5YI VEC

Serving the Benicia Fire Department and
the Residents of the City of Benicia



Class size is limited. Advance Registration is Required.
No prep or prior study required.



Prospective Hams should plan on attending a free Get-On-The-Air Class
after passing their test, to become familiar with Amateur Radio operations

Reserve Your Space - Become a Ham in One Day!



Can't make the
upcoming class?
Check our website
periodically for our
next session.

Element 4 (Extra class)
You need only pay the
test fee of \$14. We do
not provide study
materials for Element 4.



File: Ham Class March 2017 flyer

Sierra Foothills Amateur Radio Club presents:

Hamfest 2017

Saturday, March 18, 2017

Historic Loomis Train Depot

First swap of the Year!

Drawings, Free Parking, Great Seller Spots, Food & Drink available. Last 2 years were fantastic, 2017 should be even better!

Come on out and have some fun, talk with buddies and enjoy the swap more Info at: w6ek.org



California (Loomis) — Mar 18 **D F H R T V**
7:30 – 11 AM. *Spr:* Sierra Foothills ARC. Historic Loomis Train Depot Plaza, 3640 Taylor Rd. *TI:* 145.43, 223.86 (both 162.2 Hz). *Adm:* Free. www.w6ek.org.



Directions:

Located Northeast of Sacramento or Southeast of Auburn, off Interstate 80.

Loomis Exit off I80 - Horseshoe Bar Road
Go NNW to the Taylor Road stoplight.

Follow Signs to Buyer's parking.

Seller's go straight at the stoplight, then turn into the Seller's parking area.

Talk in on W6EK/r 145.430 pl 162.2Hz

CQ Hamfest - CQ Hamfest - CQ Hamfest - CQ Hamfest - CQ Hamfest - CQ Hamfest



December 15, 2016

Dear Amateur Radio & DX Enthusiast,

Are you waiting to see how Dayton does in its new home, but still want to meet and mingle with all your DX friends? Are you saving money for yet another tower, rig or amp? Then Join us next year for a fun event: The 68th International DX Convention in Visalia, CA., April 21 – 23, 2017!

IDXC 2017 is sponsored by the Northern California DX Club at the beautiful Visalia Convention Center in downtown Visalia, CA. IDXC is the premier DX Convention in the United States, and is attended by hundreds of serious DXers and Contesters looking to improve their skills, upgrade their stations and spend some quality hands-on time with the vendors' latest equipment offerings. If you're interested in getting involved in DXing, this is a great place to start!

Convention Highlights:

- We've added a day!
- Onsite Registration begins on Thursday afternoon, April 20, 2017 at 3:00 PM local time
- Convention is now a full 2.5 Days: Friday (April 21); Saturday (April 22); 1/2 day Sunday (April 23)
- 15-20 DX & Technical Seminars now on both Friday & Saturday
- Excellent Keynote Speakers
- 35-40 Exhibitors in large Exhibit Hall offering all the latest gear Friday and Saturday
- ARRL QSL Card Checking
- Great Raffle Prizes
- Open DX Forum; Contest Forum; ARRL Forum; YL Forum
- Optional training on Friday: Contest Academy - Basic & Advanced Contesting Techniques
- Eyeball QSOs with your DXing friends, or make some new ones!
- Optional Friday Dinners: Top Band Banquet or IOTA Banquet or Contest Banquet
- Optional Saturday Visalia Tour
- IDXC Registration is now open!
- For more information and to register, visit our website at: dxconvention.org

IDXC 2017 will be the biggest and the best International DX Convention yet, and we hope you'll be able to join us to enjoy it all!

73,

John Miller, K6MM
 Rich Seifert, KE1B
 Kevin Rowett, K6TD
 IDXC 2017 Co-Chairmen



QST, QST, QST...



Help Get Kids on the Air!!!

Weekly SBARA Youth Net New Day and Time!

- For young people 18 and under
- Licensed youth or youth with a licensed control operator are welcome to check-in
- Check-in via EchoLink, if you are outside of the area
- Adults can check-in towards the end of the Net to answer questions and mentor the youth.

**Please join our new, 13-year-old net control operator,
Truman Lindsey, KM6AQS, and help us grow
this important Net for young hams!**

- SBARA Youth Net
- Every Tuesday evening, 6:30pm (1830), PACIFIC
- N6NFI repeater, Palo Alto, CA (145.230 MHz, -600 kHz, PL 100 Hz.)
- EchoLink Station: KR6DD-R

Steve Wilson KG6HJU
South Bay Amateur Radio Association
Fremont, CA
kg6hju@arrrl.net

HAM RADIO OUTLET

14 STORE BUYING POWER!

ICOM



IC-7600 | All Mode Transceiver

- 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope



IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanker • USB Port for PC Control



IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz** • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



KENWOOD



TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



TM-D710G | 2M/440 Dualband

- V-V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



TM-V71A | 2M/440 DualBand

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery



YAESU
The radio



FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



FT-450D | A100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



5 Ways to Shop!

- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 9:30AM - 5:30PM
- FAX - All store locations
- ONLINE - WWW.HAMRADIO.COM
- MAIL - All store locations

ANAHEIM, CA
(800) 854-6046

OAKLAND, CA
(877) 892-1745

SUNNYVALE, CA
(877) 892-1749

PORTLAND, OR
(800) 765-4267

PHOENIX, AZ
(800) 559-7388

WOODBIDGE, VA
(800) 444-4799

PLANO, TX
(877) 455-8750

BURBANK, CA
(877) 892-1748

SAN DIEGO, CA
(877) 520-9623

NEW CASTLE, DE
(800) 644-4476

DENVER, CO
(800) 444-9476

ATLANTA, GA
(800) 444-7927

SALEM, NH
(800) 444-0047

ONLINE STORE
WWW.HAMRADIO.COM

New Store!

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.



The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club

P.O. Box 23222

Pleasant Hill, CA 94523

www.mdarc.org



**Affiliated
Club**

FIRST CLASS

<https://www.facebook.com/mdarc.org>

W6CX Nets

Monday 7:00 pm Washington High School Net 147.060+

Monday 8:00 pm SATERN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Amateur Television Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

FM 147.060 MHz + / PL 100Hz - EchoLink: W6CX-R /133896, IRLP: 3057
224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

D-STAR 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/> Digital ATV Output 1244.500

Digital ATV Input 1292.500

ATV Inputs: 1289.25 MHz AM; 1270.000 FM pl 192.8 915.0 AM 427.0 AM

ATV Internet Stream: <http://www.w6cxatv.net/live>

Contra Costa County Emergency Communications Nets

Every Thursday

<http://www.coco-races.org/meetings/nets/>

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 146.355+ (77.0 PL)

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735+ (107.2 PL)

or 145.410 -- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

February and March 2017 Club Calendar

| | | |
|--------------------------|---------|---|
| Friday February 17, 2017 | 7:30pm | MDARC General Meeting - Our Saviors Lutheran Church 1035 Carol Lane, Lafayette |
| Monday March 6, 2017 | 6:30pm | MDARC Board Meeting Black Bear Restaurant, 700 Bancroft Avenue, Walnut Creek |
| Saturday March 4, 2017 | 8:00 am | MDARC Technical Committee Environmental Center, 2581 Harbor Street, Pittsburg |
| Friday March 17, 2017 | 7:30pm | MDARC General Meeting - Our Saviors Lutheran Church 1035 Carol Lane, Lafayette |